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Books

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mentary definitions ("A crystal is . . . ") and outlined clearly the scope of the book would have been welcome. His first chapter is partly introductory, but not enough so. There is some carelessness in sentence structure and punctuation throughout the book, (e.g., commas are often used where semicolons are needed), and many sentences are too long for ready understanding. The book reads somewhat like a draft that has not yet been carefully edited.

Despite the above criticisms, this book can be recommended as a generally useful introduction to the properties of crystals. It is not suitable as a textbook, but it could serve as supplementary reading for an introductory course in solid state or a more general course including some study of solids. Simple, physically oriented books of this type should be welcomed as needed additions to the literature of the broad field of solid state.

DONALD LONG
Honeywell Corporate Research Center
Hopkins, Minnesota 55343

Books Received

Light and Electricity in the Atmosphere. Hal Hellman. Holiday House, New York, 1968. 222 pp. $4.50.

A popular level discussion of lighting, thunderstorms, airglow, etc.

Women and the Scientific Professions. Edited by Jacquelyn A. Mattfeld and Carol G. Van Aken. MIT Press, Cambridge, Mass., 1967. 250 pp. $2.95 (paper).

A discussion of problems and opportunities for women in science.

The Nature of Solids. Alan Holden. Columbia University Press, New York, 1968. 241 pp. $2.75 (paper).

Paperback edition of the well-known book.

The Continuing Revolution. Joseph Agassi. McGraw-Hill Book Co., New York, 1968. 225 pp. $5.95.

The history of physics from the Greeks to Einstein.

Calculus. Michael Spivak. W. A. Benjamin, New York, 1967. 586 pp. $13.75.

Principles of Particle Accelerators. Enrico Persico, Enzio Ferrari, and Sergio E. Segre. W. A. Benjamin, Inc., New York, 1968. 301 pp.

A sophisticated introduction for graduate students preparing to do work in experimental physics.

Introduction to Quantum Mechanics. P. J. Matthews. McGraw-Hill Book Co., New York, 1968. 188 pp. $6.95.

An upper division text for physics students.

Basic Equations and Special Functions of Mathematical Physics. V. Ya. Arsenin. American Elsevier Publishing Co., Inc., New York. 1968. 361 pp. $13.50.

Society's Children: A Study of Ressentiment in the Secondary School. Carl Nordstrom, Edgar Z. Friedenberg, and Hilary A. Gold. Random House, New York, 1968. 209 pp. $2.45 (paper).

Philosophical and sociological analysis of the influence of ressentiment (oppressive sense of impotence) on school environments.

Computation by Electronic Analog Computers. V. Borský and J. Matyáš. Edited by C. C. Ritchie and G. F. Moxon. American Elsevier Publishing Company, Inc., New York, 1969. 421 pp. $10.75.

Sophisticated description of how an analog computer may be used in solving problems of interest to scientists and engineers.

Electricity Experiments for Children. Gabriel Reuben. Dover Publications, Inc., New York, 1968. 88 pp. $1.25 (paper).

Physics Experiments for Children. Muriel Mandell. Dover Publications, Inc., New York. 96 pp. $1.25 (paper).

Helium, Child of the Sun. Clifford W. Seibel. University Press of London, Lawrence, Kansas, 1968. $138 pp. $4.95.

The discovery of helium and the history of its development from a chemical curiosity into a significant feature of current technology and space exploration.

Transistor Fundamentals. Vol. 1: Basic Semiconductor and Circuit Principles. Robert J. Brite. 240 pp. $4.50 (paper). **Vol. 2: Basic Transistor Circuits.** Charles A. Pike. 208 pp. $4.50 (paper). **Vol. 3: Electronic Equipment Circuits.** Martin Gersten. 192 pp. $4.50 (paper). **Vol. 4: Digital and Special Circuits.** Louis Schweitzer and Reginald H. Peniston. Howard W. Sams, Inc., New York, 1968. 208 pp. $4.50 (paper).

Four volumes of a programmed introduction to transistors.

Inside the Orbit of the Earth. Willy Ley. McGraw-Hill Book Co., New York, 1968. 160 pp. $4.50.

Mercury and Venus described for young people by a master science writer.

Science in Modern Society. J. G. Crowther. Schocken Books, New York, 1968. 403 pp. $8.00.

Modern science and its politics since World War II.